Load Participation in ERCOT

oday				
Curtailment in response to ERCOT Verbal Dispatch (10 minutes)	Responsive Reserves	Curtailment or reduction in response to Market Price or other factors	Service	
Interval meteringCurtailment technologyERCOT Qualification	Interval meteringTelemetryCurtailment technologyERCOT Qualification	MeteringCurtailment technologyRetail contract with price response incentives	Requirements	
	Curtailment in response to ERCOT Verbal Dispatch (10 minutes)	Load Acting as a Responsive Reserves Emergency Interruptible Load Service (EILS) Curtailment in response to ERCOT Verbal Dispatch (10 minutes)	Voluntary Load Response (VLR) Load Acting as a Resource (LaaR) Emergency Interruptible Load Service (EILS) Curtailment or reduction in response to Market Price or other factors Curtailment in response to ERCOT Verbal Dispatch (10 minutes)	

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All of the above PLUS additional opportunities for:









Responsive Reserves Regulation Service

Governor-type response

ERCOT Qualification

Ability to receive AGC-type signals

Telemetry

Interval metering

All of the above PLUS:



Future?



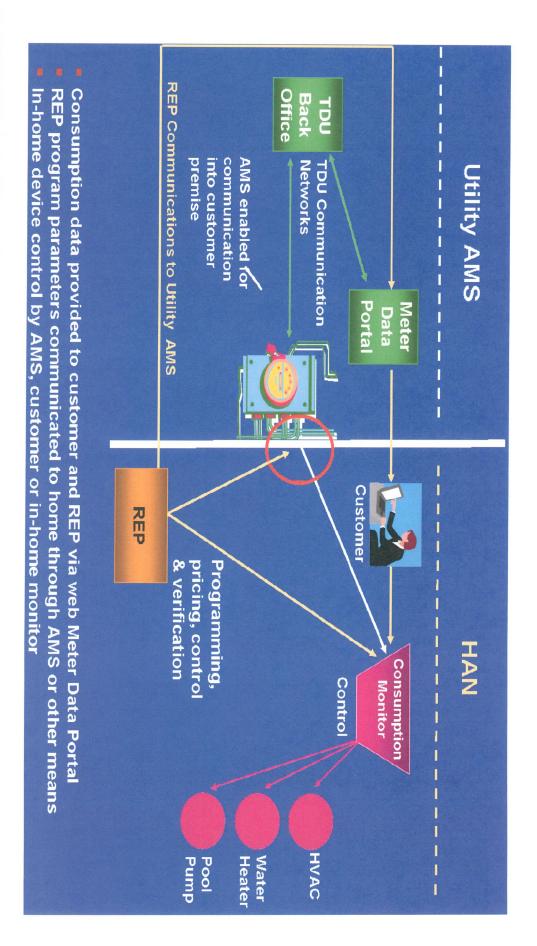
Services Market and all Ancillary Real-Time Energy

- To be determined
- Loads would submit DR energy offer curves to compete with generation in the energy market



Advanced Metering

Future Potential Envisioned with Advanced Meters





Plug-in Electric Vehicles





- Many opportunities but also challenges
- Goals of study
- Work with policymakers and market participants to encourage "smart charging" incentives for PEV owners
- Dynamic pricing to encourage smart charging
- Emergency demand response
- scheduling of charging load during off-peak hours Enhanced aggregation – working with PEV aggregators to ensure efficient
- Evaluate possibility of PEV participation in ISO-RTO markets (ancillary services, etc.)
- be most likely impacted by early adopters? Project early adoption rates by region -- which areas of the country will





- Huge investments in energy efficiency are underway across the country
- ERCOT Planning dept. is integrating new tools into long-term load forecasting to account for this influx of EE
- Confidence of financial community in ERCOT forecasts is crucial for ensuring long-term resource adequacy

